## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

### (19) World Intellectual Property Organization

International Bureau



## A HERDE BUNDER HERBEITE ODEN EINEN BERKEREN BEREITE HER UN BETIEBE ONNE FEINEL BENEEL DEN EERSTEN EITENEN HERE HOEF HERE HERE

#### (43) International Publication Date 13 May 2004 (13.05,2004)

#### **PCT**

# (10) International Publication Number WO 2004/039553 A1

(51) International Patent Classification<sup>7</sup>: B29C 31/04, 43/34

(21) International Application Number:

PCT/EP2003/004214

(22) International Filing Date: 23 April 2003 (23.04.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: BO2002A000683 31 October 2002 (31.10.2002)

(71) Applicant (for all designated States except US): SACMI COOPERATIVA MECCANICI IMOLA S.C.R.L. [IT/IT]; Via Provinciale Selice, 17/A, I-40026 Imola (IT).

(72) Inventors; and

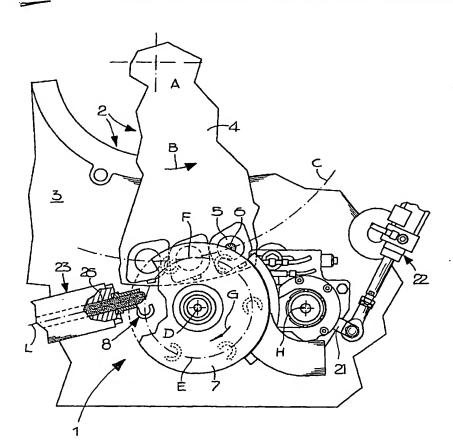
(75) Inventors/Applicants (for US only): PUCCI, Fabrizio

[IT/IT]; Via 2 Agosto 1980, 8, I-40023 Castel Guelfo (IT). PARRINELLO, Fiorenzo [IT/IT]; Via Zanardi, 122/A, I-40059 Medicina (IT).

- (74) Agent: MODIANO, Guido; Modiano & Associati, Via Meravigli, 16, I-20123 Milano (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: DEVICE FOR REMOVING DOSES OF PLASTIC MATERIAL FROM AN EXTRUDER



(57) Abstract: A device for removing doses of plastic material from the outflow orifice of an extruder (23) by means of at least one removal element (8) movable with respect to the extruder and provided with a receptacle (15) for a dose (6) removed from the orifice, the removal element (8) comprising a severing element (14) adapted to cut into the plastic material dispensed by the extruder (23) along a severing edge (14a) advancing through the material to from one side of the orifice (24b) to the other, the receptacle (15) being shaped so as to accommodate the dose (6) and allow its expulsion substantially in the direction of the severing edge (14a).